[LOCAL SUSPEND FUNCTION AND RESET PROCEDURE IN A WIRELESS COMMUNICATIONS SYSTEM]

Abstract of Disclosure

A wireless communications system includes a first station in wireless communications with a second station along at least one channel. The first station initiates a local suspend function for the channel, with a suspend point determined by a first sequence number (SN). Prior to a resume command to terminate the local suspend function, a reset procedure for the channel is performed. In response to the reset procedure, the first SN of the suspend point is set equal to a default value. This halts communications along the channel while the channel is locally suspended. The resume command for the channel then terminates the local suspend function. Alternatively, the suspend point is determined by a first hyper-frame number/sequence number (HFN/SN) pair. After the reset procedure, and prior to terminating the local suspend function, the first station transmits along the channel to the second station no layer 2 protocol data units (PDUs) having associated HFN/SN pairs that are sequentially after the first HFN/SN pair.

Figures